

## Universal microarray

Patent Number: CN1255552  
Publication date: 2000-06-07  
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Requested Patent: CN1255552  
Application: CN19980122060  
Priority Number(s): CN19980122060  
IPC Classification: C12Q1/00; G01N33/53  
EC Classification:  
Equivalents:

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### Abstract

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A microarray technique for making microarray in 2D space by splicing the motifs of optical fibres or capillary tubes with different load characteristics at predefined addresses is disclosed, which features high density potential of 1-4 millions/sq.m and broad load properties of optical fibre or capillary tube. The process for preparing different microarrays such as gene chip, immunoprotein chip, cell receptor chip and chemical chip and signal label and detection techniques are also disclosed. A high-sensitivity high-speed non-toxic efficient biological luminous label and optical magnetic bead signal amplification are also disclosed. Said invention can be used in such areas as efficient gene sequence detection, gene expression spectrum research, gene diagnosis, etc.

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**EXHIBIT B**